

**AMENDMENT AND PRESENTATION OF CLAIMS**

Please replace all prior claims in the present application with the following claims.

1. (Previously Presented) A message analyzer for analyzing messages which are transmitted via at least one service access point from layers of an Open Systems Interconnection (OSI) reference model of an end system of a subscriber of a mobile telephone system, the message analyzer comprising:

a storage device for storing messages;

a selector for reading in a sequence of temporally successive messages; and

a display device for displaying, on a single screen, a first region and a second region,

wherein the sequence of messages is read in by means of the selector from the storage device and displayed listed in the first region,

wherein the selector determines, for the at least one service access point, a first characteristic feature of the messages which are transmitted via the at least one service access point and a course of the first characteristic feature is displayed on the display device in the second region,

wherein the sequence of messages read in by the selector is dependent upon a selection with which a specific point of the course of the first characteristic feature is selectable in the second region, and

wherein the display device is configured to display a selectable marking produced automatically by the selector in the second region based on a predefined additional item of information stored during storage of messages in the storage device, and

wherein upon selection of the marking, a sequence of messages which corresponds to the specific point of the selected marking is read in from the storage device.

2. (Previously Presented) A message analyzer according to claim 1, wherein:

the selector determines a second characteristic feature for messages which are transmitted via a plurality of service access points of a layer of the OSI reference model, the a course of the second characteristic feature is displayed on the display device in the second region.

3. (Canceled)

4. (Previously Presented) A message analyzer for analyzing messages which are transmitted via at least one service access point from layers of an Open Systems Interconnection (OSI) reference model of an end system of a subscriber of a mobile telephone system, the message analyzer comprising:

a storage device for storing messages;

a selector for reading in a sequence of temporally successive messages; and

a display device for displaying, on a single screen, a first region and a second region,

wherein the sequence of messages is read in by means of the selector from the storage device and displayed listed in the first region,

wherein the selector determines, for the at least one service access point, a first characteristic feature of the messages which are transmitted via the at least one service access point and a course of the first characteristic feature is displayed on the display device in the second region,

wherein the sequence of messages read in by the selector is dependent upon a selection with which a specific point of the course of the first characteristic feature is selectable in the second region, and

wherein a plurality of specific points are marked by respective markings in the course displayed in the second region and, upon selection of a marking of the markings, a sequence of messages which corresponds to the specific point of the selected marking is read in from the storage device.

5. (Canceled)

6. (Previously Presented) A message analyzer according to claim 1, wherein:

the course of the first characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is a time axis.

7. (Previously Presented) A message analyzer according to claim 6, wherein:

a third region of the course displayed in the second region which corresponds respectively to the sequence of messages currently displayed in the first region, is highlighted.

8. (Previously Presented) A message analyzer according to claim 1, wherein:

the course of the first characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is subdivided into intervals each having an identical number of messages.

9. (Previously Presented) A message analyzer according to claim 1, wherein:

the first characteristic feature is a number of transmitted messages per interval of time or a data load of a layer of the OSI reference model or a number of messages transmitted repeatedly.

10. (Previously Presented) A method using a computer or a digital signal processor for analyzing messages which are transmitted via at least one service access point from layers of an OSI reference model of an end system of a subscriber of a mobile telephone system and which are stored in a storage device, comprising the steps of:

reading in a sequence of messages by a selector; and

displaying the sequence of messages which is read in by the selector, in tabular form in a first region of a single screen of a display device, wherein

a first characteristic feature of messages which are transmitted via the at least one service access point is determined by the selector

and a course of the first characteristic feature is displayed in a second region of the single screen of the display device,

further comprising:

selecting, in the second region, a specific point of the course of the first characteristic feature;

and

reading in, by the selector, a sequence of messages dependent upon the specific point, wherein:

during storage of the messages in the storage device, a predefined additional item of information is stored, and

dependent upon the predefined additional item of information, a selectable marking is produced automatically in the second region by the selector, and

upon selection of the marking, dependent upon the specific point marked by the selected marking, a corresponding sequence of messages is read in by the selector from the storage device.

11. (Previously Presented) A method according to claim 10, further comprising:

determining, by the selector, a second characteristic feature of messages which are transmitted via a plurality of service access points of a layer of the OSI reference model.

12. (Canceled)

13. (Previously Presented) A method using a computer or a digital signal processor for analyzing messages which are transmitted via at least one service access point from layers of an OSI reference model of an end system of a subscriber of a mobile telephone system and which are stored in a storage device, comprising the steps of:

reading in a sequence of messages by a selector; and

displaying the sequence of messages which is read in by the selector, in tabular form in a first region of a single screen of a display device, wherein

a first characteristic feature of messages which are transmitted via the at least one service access point is determined by the selector

and a course of the first characteristic feature is displayed in a second region of the single screen of the display device,

further comprising:

selecting, in the second region, a specific point of the course of the first characteristic feature;

and

reading in, by the selector, a sequence of messages dependent upon the specific point, wherein:

in the second region, a plurality of specific points of the course of the first characteristic feature are marked by respective markings, and

upon selection of a marking of the markings, dependent upon the specific point marked by the selected marking, a corresponding sequence of messages is read in by the selector from the storage device.

14. (Canceled)

15. (Previously Presented) A method according to claim 10, wherein:

at least one characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is a time axis.

16. (Previously Presented) A method according to claim 15, wherein:

a third region which corresponds respectively to the sequence of messages displayed in tabular form in the first region is displayed highlighted in the second region.

17. (Previously Presented) A method according to claim 10, wherein:

the first characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is sub-divided into intervals each having an identical number of messages.

18. (Previously Presented) A message analyzer according to claim 1, wherein the predefined additional item of information is defined as a specific event that occurs during a test run.

19. (Previously Presented) A message analyzer according to claim 18, wherein the specific event is a change of attenuation.

20. (Previously Presented) A method according to claim 10, wherein the predefined additional item of information is defined as a specific event that occurs during a test run.

21. (Previously Presented) A method according to claim 20, wherein the specific event is a change of attenuation.